

Amendments to the Specification

Please replace the paragraph on page 2, lines 11 - 22 with the following amended paragraph:

The ADSL has advantages such as high-speed data communications and simultaneous services of telephone and data communications while using the existing telephone line. The existing modem technology could not support simultaneous services of telephone and data communications. ~~Intergraded-~~ Integrated services digital network (ISDN) is capable of simultaneous services of telephone and data communication, however, a data rate of the ISDN falls down to a half of the ADSL's. In case of the ADSL, interference does not appear and the data rate does not fall down to a half because the ADSL uses a low frequency for the telephone service and a high frequency for the data communication.

Please replace the paragraph on page 2, lines 35 - 36 with the following amended paragraph:

Each ~~constitution-~~ constituting element of the ADSL communication system is explained as following.

Please replace the paragraph on page 4, lines 6 - 17 with the following amended paragraph:

An ATM cell is composed of a header, which is 5 byte data and a payload, which is 48 byte data. The ATM header has information such as how to route a cell to a destination, which is a virtual channel identifier/virtual path identifier (VCI/VPI). The NAS 204 is connected to the ADSL modems 202 and 206 by a permanent virtual channel (PVC). That is, a machine identification number (MIN) of the ADSL modems 202 and 206 is connected to the virtual channel identifier (VCI), which is destination address of the ATM cell and a virtual channel communication is performed. The MIN is an identification number of the ADSL equipment controlled by the NAS 204.

Please replace the paragraph on page 6, lines 11 - 28 with the following amended paragraph:

In accordance with an aspect of the present invention, there is provided An apparatus and method for web-phone service in DSL, including steps of: a) extracting machine identification number (MIN) of the access-requested terminal from the Phone Number Domain (PND) and transferring MIN to Requested IP Broker (RIB) with an access request to the web- phone service;

b) judging whether the IP is allocated to the access-requested terminal at RIB; c) controlling for the Network Access Server (NAS) to allocate IP address to the access-requested terminal from ATM pool number corresponding to MIN of the access-requested terminal in case that IP is not allocated to the access-requested terminal at the judgment of step b); and d) transferring the allocated IP for the access-requested terminal from RIB to PND and ~~from~~ from PND to the access-requesting terminal to establish a connection between the access-requesting terminal and the access-requested terminal.

Please replace the paragraph beginning on page 6, lines 29-36 and continuing onto page 7, lines 1-11 with the following amended paragraph:

In accordance with an aspect of the present invention, there is provided a computer readable recording medium including a microprocessor for web-phone service, including functions of: a) extracting Machine Identification Number (MIN) of the access-requested terminal from Phone Number Domain (PND) and transferring the MIN to Requested IP Broker (RIB) with an access request to the web-phone service; b) judging whether the access-requested terminal already has an allocated IP at RIB; c) controlling for the Network Access Server (NAS) to allocate available IP address to the access-requested terminal from ATM pool number corresponding to MIN of the access-requested terminal in case that the access-requested terminal does not have an allocated IP by the judgment at function (b); d) transferring the allocated IP for the access-requested terminal from the RIB to the PND and ~~from~~ from the PND to the access-requesting terminal to establish a connection between the access-requesting terminal and the access-requested terminal.

Please replace the paragraph on page 11, lines 13 - 18 with the following amended paragraph:

In the other case that the user terminal A 301 already has an allocated IP, the PND 306 extracts the MIN of the user terminal A 301 from the database 308 and transfer the MIN to the RIB ~~307~~ 305. The RIB 305 receives the IP address corresponding to the MIN of the user terminal A 301 and returns the IP address to the user terminal B 310.

Please replace the paragraph on page 3, lines 21 - 23 with the following amended paragraph:

The ADSL communication system includes user terminals 201 and 207, ADSL modems 202 and 206, a DSLAM 203, a NAS 204, and a Property Management System (PMS)PMS (Radius) 205.

Please replace the paragraph on page 9, lines 9 - 15 with the following amended paragraph:

The RIB 305 allows a communication between two points by controlling the NAS 304 to ~~forcibly execute access~~ the ADSL modem 309 of the user terminal B 310, which is access requesting and ADSL modem 302 of a user terminal A 301, which is not connected, and forcibly allocate an IP to the user terminal A 301 and return the allocated IP to the user terminal B 310.